

S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 This listing of claims replaces all prior versions and listings:

2  
3 **Listing of Claims:**

- 4 1. (currently amended) A method comprising:
- 5 presenting a free floating field in line with text in a document, the free
- 6 floating field presenting content derived from a source;
- 7 determining, upon selection of the free floating field, a type of content in
- 8 the free floating field;
- 9 interpreting user entry based upon the type of content in the free floating
- 10 field; and
- 11 upon modification of the source, automatically updating the content in the
- 12 free floating field, field; and
- 13 ~~wherein the free floating field and the source are in a nested relationship.~~
- 14
- 15 2. (currently amended) A method comprising:
- 16 presenting a free floating field in line with text in a document, the free
- 17 floating field presenting content derived from a source;
- 18 determining, upon selection of the free floating field, a type of content in
- 19 the free floating field;
- 20 interpreting user entry to the free floating field based upon the type of
- 21 content in the free floating field;
- 22 upon modification of the source, automatically updating the content in the
- 23 free floating field; and
- 24 wherein the document is written in a markup language.
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

- 1
- 2 3. (original) The method of claim 1, wherein the source is text and the free
- 3 floating field presents the text.
- 4
- 5 4. (original) The method of claim 1, wherein the source is a data value and
- 6 the free floating field presents the data value.
- 7
- 8 5. (previously presented) The method of claim 1, wherein the free floating
- 9 field presents content derived from referencing the source.
- 10
- 11 6. (original) The method of claim 1, further comprising:
- 12 presenting a table containing multiple cells in which one cell is the source;
- 13 and
- 14 upon modification of the cell, automatically updating the content in the free
- 15 floating field.
- 16
- 17 7. (original) The method of claim 1, wherein the free floating field is a first
- 18 free floating field, the method further comprising:
- 19 presenting a second free floating field, the second free floating field
- 20 presenting content derived from referencing the first free floating
- 21 field; and
- 22 upon modification of the source, automatically updating the contents in the
- 23 first and second free floating fields.
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 8. (original) The method of claim 1, further comprising overlaying a formula  
2 edit box on the free floating field to facilitate user entry of a formula into  
3 the free floating field.

4  
5 9. (original) The method of claim 8, further comprising resizing the formula  
6 edit box as the user enters the formula.

7  
8 10. (original) The method of claim 8, further comprising extending the formula  
9 edit box horizontally and subsequently vertically as the user enters the  
10 formula.

11  
12 11. (original) The method of claim 1, further comprising:  
13 creating a cell structure in association with the free floating field, the cell  
14 structure holding one of a formula or data used in the free floating  
15 field; and  
16 creating a format structure in association with the free floating field, the  
17 format structure holding formatting information for the free floating  
18 field.

19  
20 12. (original) The method of claim 1, further comprising formatting the free  
21 floating field independently of the text.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 13. (original) The method of claim 1, further comprising modifying a format  
2 of the text and automatically applying the format modification to the free  
3 floating field.

4  
5 14. (currently amended) The method of claim 1, further comprising:  
6 ~~determining, upon selection of the free floating field, a type of content in~~  
7 ~~the free floating field; and~~  
8 ~~interpreting user entry based upon the type of content in the free floating~~  
9 ~~field.~~  
10 wherein the free floating field and the source are in a nested relationship.

11  
12 15. (currently amended) The method of claim[[ 14]]1, wherein the  
13 determining comprises:  
14 evaluating whether the type of content is a formula or non-text data;  
15 if the type of content is a formula or non-text data, interpreting the user  
16 entry as applicable to spreadsheet functions; and  
17 if the type of content is not a formula or non-text data, interpreting the user  
18 entry as applicable to word processing functions.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

- 1 16. (currently amended) The method of claim[[ 14]]1, wherein the  
2 determining comprises:  
3 evaluating whether the type of content is a formula;  
4 if the type of content is a formula, highlighting all of the formula and  
5 allowing editing in a formula edit box; and  
6 if the type of content is not a formula, placing a cursor in the free floating  
7 field.  
8
- 9 17. (original) A computer readable medium having computer-executable  
10 instructions that, when executed on one or more processors, perform the  
11 method as recited in claim 1.  
12
- 13 18. (withdrawn) A method comprising:  
14 nesting a free floating field within a table in a document;  
15 enabling a user to enter a formula into the free floating field; and  
16 automatically recalculating the formula in the free floating field.  
17
- 18 19. (withdrawn) The method of claim 18, wherein the enabling comprises  
19 overlaying a formula edit box on the free floating field to facilitate user  
20 entry of the formula into the free floating field.  
21
- 22 20. (withdrawn) The method of claim 19, further comprising resizing the  
23 formula edit box as the user enters the formula.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 21. (withdrawn) The method of claim 19, further comprising extending the  
2 formula edit box horizontally and subsequently vertically as the user enters  
3 the formula.

4  
5 22. (withdrawn) The method of claim 18, further comprising inserting a table  
6 that contains multiple cells, wherein the data value resides in one cell of the  
7 table so that upon modification of the data value in the cell, the formula in  
8 the free floating field is automatically recalculated.

9  
10 23. (withdrawn) The method of claim 18, wherein the free floating field is a  
11 first free floating field and the formula is a first formula, the method further  
12 comprising:

13 inserting a second free floating field;

14 enabling the user to enter a second formula into the second free floating  
15 field, the second formula referencing the first free floating field; and  
16 upon modification of the data value, the first and second formulas in the  
17 first and second free floating fields are automatically recalculated.

18  
19 24. (withdrawn) The method of claim 18, further comprising:

20 creating a cell structure in association with the free floating field, the cell  
21 structure holding the formula; and

22 creating a format structure in association with the free floating field, the  
23 format structure holding formatting information for the free floating  
24 field.

S/N 09/599,808

Response to Office Action Dated 12/02/2004

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- 2 25. (withdrawn) A computer readable medium having computer-executable
- 3 instructions that, when executed on one or more processors, perform the
- 4 method as recited in claim 18.
- 5
- 6 26. (withdrawn) A method comprising:
- 7 presenting a free floating field in line with text in a table;
- 8 overlaying a formula edit box on the free floating field to facilitate user
- 9 entry of a formula into the free floating field; and
- 10 wherein the free floating field and the table are in a nested relationship.
- 11
- 12 27. (withdrawn) The method of claim 26, wherein the formula edit box
- 13 initially defaults to a size and shape of the free floating field.
- 14
- 15 28. (withdrawn) The method of claim 26, further comprising resizing the
- 16 formula edit box as the user enters the formula.
- 17
- 18 29. (withdrawn) The method of claim 26, further comprising extending the
- 19 formula edit box horizontally and subsequently enlarging the formula edit
- 20 box vertically as the user enters the formula.
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

- 1 30. (withdrawn) The method of claim 26, further comprising:  
2 presenting at least one table; and  
3 enabling a user to reference a cell in the table to add a data value to the  
4 formula.  
5
- 6 31. (withdrawn) A computer readable medium having computer-executable  
7 instructions that, when executed on one or more processors, perform the  
8 method as recited in claim 26.  
9
- 10 32. (withdrawn) A method comprising:  
11 nesting a free floating field within a table;  
12 presenting the table within a document, wherein the table has a cell with  
13 contents; and  
14 enabling a user to reference the cell in the table when entering a formula in  
15 the free floating field.  
16
- 17 33. (withdrawn) The method of claim 32, further comprising, upon  
18 modification of the contents in the cell of the table, automatically  
19 recalculating the formula in the free floating field.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 34. (withdrawn) A method comprising:  
2 presenting a free floating field in line with text; and  
3 presenting a table within the document, the table having a cell with  
4 contents;  
5 enabling a user to reference the cell in the table when entering a formula in  
6 the free floating field; and  
7 wherein the free floating field is nested within a cell of the table.  
8

9 35. (withdrawn) A method comprising:  
10 presenting a free floating field in line with text; and  
11 presenting a table within the document, the table having a cell with  
12 contents;  
13 enabling a user to reference the cell in the table when entering a formula in  
14 the free floating field; and  
15 wherein the table is nested within the free floating field.  
16

17 36. (withdrawn) The method of claim 32, wherein the formula also references  
18 a value outside of the table.  
19

20 37. (withdrawn) A computer readable medium having computer-executable  
21 instructions that, when executed on one or more processors, perform the  
22 method as recited in claim 32.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

- 1 38. (withdrawn) A method comprising:  
2 inserting one of a first free floating field or a spreadsheet table in text;  
3 in response to user selection of at least a portion of the text or data,  
4 automatically creating a second free floating field containing the  
5 portion of the text;  
6 creating a reference in the first free floating field or spreadsheet table to the  
7 second free floating field; and  
8 wherein the first free floating field or spreadsheet table is in a nested  
9 relationship with second free floating field.  
10
- 11 39. (withdrawn) The method of claim 38, further comprising, upon  
12 confirmation, displaying the portion of the text in place of the first free  
13 floating field.  
14
- 15 40. (withdrawn) The method of claim 38, further comprising, upon  
16 modification of the text in the second free floating field, automatically  
17 updating the first free floating field.  
18
- 19 41. (withdrawn) A computer readable medium having computer-executable  
20 instructions that, when executed on one or more processors, perform the  
21 method as recited in claim 38.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

- 1 42. (withdrawn) A method comprising:  
2 nesting a free floating field within a table;  
3 creating a cell structure to hold one of data or a formula for the free floating  
4 field;  
5 creating a format structure to hold formatting information for the free  
6 floating field;  
7 receiving, into the free floating field, user entry of a reference to a source in  
8 the document;  
9 parsing the user input to update the cell structure and the format structure;  
10 in an event the user input causes changes in the cell structure or format  
11 structure, updating the cell structure or format structure to produce a  
12 new result; and  
13 presenting the free floating field with the new result.  
14
- 15 43. (withdrawn) A computer readable medium having computer-executable  
16 instructions that, when executed on one or more processors, perform the  
17 method as recited in claim 42.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 44. (withdrawn) A method comprising:

2 nesting a free floating field within a table within a common document, the  
3 free floating field supporting spreadsheet functionality;  
4 enabling a user to select a control function to modify or evaluate an aspect  
5 of the document; and  
6 applying the control function across both text within a table and the free  
7 floating field.

8  
9 45. (withdrawn) The method of claim 44, wherein the control function is  
10 selected from a group of functions including formatting, spell checking,  
11 grammar checking, find, find and replace, auto-correct, applying document  
12 themes, inserting lists, images, drawings, charts, hyperlinks, automatic  
13 detection of hyperlinks, and automatic detection of lists.

14  
15 46. (withdrawn) The method of claim 44, wherein the control function is any  
16 text feature that can be applied to the text and the applying comprises  
17 applying that text feature to the free floating field.

18  
19 47. (withdrawn) A method comprising:

20 presenting a free floating field in line with text in a table;  
21 number formatting the free floating field independent of the text; and  
22 wherein the free floating field and the table are in a nested relationship.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

- 1 48. (withdrawn) A user interface comprising:  
2 a table containing a text entry area that permits entry of individual lines of  
3 text; and  
4 a free floating field nested within the table, the free floating field presenting  
5 content derived from source data or referencing source data such that  
6 upon modification of the source data, the free floating field  
7 automatically re-derives the content and presents the re-derived  
8 content.
- 9
- 10 49. (withdrawn) The user interface of claim 48, wherein the content of the free  
11 floating field is presented as text when not being edited.
- 12
- 13 50. (withdrawn) The user interface of claim 48, wherein the free floating field  
14 exhibits a change in appearance when selected for editing.
- 15
- 16 51. (withdrawn) The user interface of claim 48, wherein the free floating field  
17 contains a formula and the source is a data value.
- 18
- 19 52. (withdrawn) The user interface of claim 48, wherein a formula edit box is  
20 overlaid on the free floating field to facilitate user entry of a formula into  
21 the free floating field.
- 22
- 23 53. (withdrawn) The user interface of claim 52, wherein the formula edit box  
24 dynamically resizes as the user enters the formula.
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

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2 54. (withdrawn) The user interface of claim 52, wherein the formula edit box  
3 extends horizontally and subsequently enlarges vertically as the user enters  
4 the formula.

5  
6 55. (withdrawn) The user interface of claim 48, wherein the free floating field  
7 is a first free floating field and further comprising a second free floating  
8 field inline within text, the second free floating field presenting content  
9 derived from referencing the first free floating field.

10  
11 56. (withdrawn) The user interface of claim 48, further comprising a table with  
12 multiple cells, the table having a particular cell that presents content  
13 derived from referencing the free floating field.

14  
15 57. (withdrawn) A user interface comprising:  
16 at least one table residing within a document, the table having multiple  
17 cells;  
18 at least one free floating field nested within the at least one table, the free  
19 floating field containing a formula that references a cell in the table;  
20 and  
21 the formula in the free floating field being automatically recalculated upon  
22 modification of the cell in the table.

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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 58. (withdrawn) The user interface of claim 57, wherein the free floating field  
2 is a first free floating field and further comprising a second free floating  
3 field containing a reference to the first free floating field.

4  
5 59. (withdrawn) A user interface comprising:  
6 at least one table residing within a document, the table having multiple  
7 cells;  
8 at least one free floating field inline with text in the document, the free  
9 floating field containing a formula that references a cell in the table;  
10 the formula in the free floating field being automatically recalculated upon  
11 modification of the cell in the table; and  
12 wherein the free floating field is nested within a cell of the table.

13  
14 60. (withdrawn) A user interface comprising:  
15 at least one table residing within a document, the table having multiple  
16 cells;  
17 at least one free floating field inline with text in the document, the free  
18 floating field containing a formula that references a cell in the table;  
19 the formula in the free floating field being automatically recalculated upon  
20 modification of the cell in the table; and  
21 wherein the table is nested within the free floating field.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 61. (withdrawn) The user interface of claim 57, further comprising a formula  
2 edit box overlaid on the free floating field to facilitate user entry of the  
3 formula.

4  
5 62. (withdrawn) The user interface of claim 57, further comprising multiple  
6 tables and multiple free floating fields, at least one of the tables and free  
7 floating fields containing a formula that references at least one other of the  
8 tables and free floating fields.

9  
10 63. (withdrawn) An architecture comprising:  
11 a user interface comprising a table within which is nested a free floating  
12 field inline with text within the table;  
13 a free floating field component to receive data or a formula entered into the  
14 free floating field; and  
15 a spreadsheet functionality manager to manage spreadsheet functions for  
16 the free floating field.

17  
18 64. (withdrawn) The architecture of claim 63, wherein the user interface  
19 overlays a formula edit box on the free floating field to facilitate user entry  
20 of a formula.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 65. (withdrawn) The architecture of claim 63, wherein the spreadsheet  
2 functionality manager comprises:

3 a cell structure to maintain the data or formula entered into the free floating  
4 field; and

5 a format table to maintain formatting information used in the free floating  
6 field.

7  
8 66. (withdrawn) The architecture of claim 63, wherein the free floating field  
9 receives a formula, and the spreadsheet functionality manager comprises:

10 a first memory structure to hold source data;

11 a second memory structure to maintain the formula entered into the free  
12 floating field, the formula referencing the data in the first memory  
13 structure; and

14 a recalculation engine to recalculate the formula in the second memory  
15 structure following a change to the data in the first memory  
16 structure.

17  
18 67. (withdrawn) The architecture of claim 63, wherein the user interface  
19 presents at least one table within the document, and the spreadsheet  
20 functionality manager is configured to track references made between the  
21 free floating field and the table.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 68. (withdrawn) The architecture of claim 63, wherein the user interface  
2 presents at least one table within the document, and the spreadsheet  
3 functionality manager is configured to track references made between the  
4 free floating field and the table, the spreadsheet functionality manager  
5 being further configured to update any data and formulas in the table and  
6 free floating fields that are affected by a change made to one of the table or  
7 the free floating field.

8  
9 69. (withdrawn) A computer comprising:  
10 a memory;  
11 a processing unit coupled to the memory; and  
12 an architecture stored in the memory and executable on the processing unit  
13 to construct and display a document having a free floating field  
14 nested within a table the free floating field supporting spreadsheet  
15 functionality.

16  
17 70. (withdrawn) The computer of claim 69, wherein the free floating field  
18 contains a formula that references source data, and upon modification of the  
19 source data, the architecture automatically recalculates the formula in the  
20 free floating field.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 71. (withdrawn) The computer of claim 69, wherein the architecture constructs  
2 multiple free floating fields within the document, at least one free floating  
3 field containing a reference to contents in another free floating field.

4  
5 72. (withdrawn) The computer of claim 69, wherein the architecture constructs  
6 a table within the document and the free floating field contains a reference  
7 to contents in the table.

8  
9 73. (withdrawn) The computer of claim 69, wherein the architecture  
10 comprises:

11 a user interface manager to receive user input into the free floating field;

12 and

13 a spreadsheet functionality manager to manage the spreadsheet  
14 functionality of the free floating field based on the user input  
15 received by the user interface manager.

16  
17 74. (withdrawn) A computer readable medium having computer-executable  
18 instructions that, when executed on one or more processors, performs the  
19 following:

20 nest a free floating field in line with text within a table in a document;

21 create a reference, within the free floating field, to at least one source  
22 elsewhere in the document; and

23 upon modification of the source, automatically update the free floating  
24 field.

S/N 09/599,808

Response to Office Action Dated 12/02/2004

1  
2 75. (withdrawn) The computer readable medium of claim 74, wherein the  
3 source is text and the free floating field references the text.  
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5 76. (withdrawn) The computer readable medium of claim 74, wherein the  
6 source is a data value and the free floating field contains a formula that  
7 references the data value.  
8

9 77. (withdrawn) The computer readable medium of claim 74, wherein the free  
10 floating field is a first free floating field, and further comprising computer-  
11 executable instructions to:  
12 display a second free floating field;  
13 create a reference, within the second free floating field, to the first free  
14 floating field; and  
15 upon modification of the source, automatically update the first and second  
16 free floating fields.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 78. (withdrawn) A computer readable medium having computer-executable  
2 instructions that, when executed on one or more processors, performs the  
3 following:

4 present a free floating field nested within a table and in line with text;  
5 receive user-entered formula into the free floating field, the formula  
6 referencing at least one data value elsewhere in the document; and  
7 upon modification of the data value, automatically recalculate the formula  
8 in the free floating field.

9  
10 79. (withdrawn) The computer readable medium of claim 78, further  
11 comprising computer-executable instructions to overlay a formula edit box  
12 on the free floating field to facilitate user entry of the formula into the free  
13 floating field.

14  
15 80. (withdrawn) The computer readable medium of claim 78, further  
16 comprising computer-executable instructions to:  
17 create a reference from the free floating field to a cell in the table.

18  
19 81. (currently amended) The method of claim 1, wherein:  
20 the source is a cell within a table; and  
21 wherein the nested relationship comprises nesting the free floating field is  
22 nested within the table.  
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S/N 09/599,808

Response to Office Action Dated 12/02/2004

1 82. (currently amended) The method of claim 1, wherein:  
2 the source is a cell within a table; and  
3 ~~wherein the nested relationship comprises nesting the table~~ is nested within  
4 the free floating field.  
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